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11/13/01  
10796 U.S. PTO

U.S. Express Mail Label No. EL857557892US

Docket No. 042159.0201

**FOLEY & LARDNER**  
2029 Century Park East - Suite 3500  
Los Angeles, CA 90067-3021

TO: Commissioner for Patents  
Box Patent Application  
Washington D.C. 20231

1050 U.S. PTO  
09/991372  
11/13/01

**UTILITY PATENT APPLICATION TRANSMITTAL UNDER 37 C.F.R. 1.53(b)**

Transmitted herewith for filing is the patent application of:

**INVENTOR(S): Victor Demjanenko, Frederic J. Hirzel, Juan Alberto Torres**

**TITLE: SYSTEM AND METHOD USING MULTI-DIMENSIONAL  
CONSTELLATIONS WITH LOW RECEIVER SOFT-DECISION  
EXTRACTION REQUIREMENTS**

In connection with this application, the following are enclosed:

**APPLICATION ELEMENTS:**

- ☒ Specification (including Abstract): 23 pages
  - ☒ Claims: 13 claims
  - ☒ Formal Drawings: 31 Sheets
  - ☐ Power of Attorney By Assignee and Exclusion of Inventor Under Rule 37 C.F.R. § 3.71
  - ☒ Declaration and Power of Attorney
    - ☒ Unsigned
    - ☐ Executed (original or copy)
    - ☐ Copy from a prior application (37 CFR 1.63(d))
- (relates to continuation/divisional boxes completed) - NOTE: Box below

**ACCOMPANYING APPLICATION PARTS:**

- ☐ Assignment with Recordation Form Cover Sheet; check for \$\_\_\_\_\_.
- ☐ Revocation and Power of Attorney
- ☐ Information Disclosure Statement(IDS) with PTO-1449.
  - ☐ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☐ Check in the amount of \$\_\_\_\_\_ for filing fee.
- ☒ Certificate of Mailing By Express Mail
- ☒ Return Receipt Postcard (MPEP 503)
- ☒ Applicants claim small entity status pursuant to 37 C.F.R. § 1.27.
  - ☐ Statement filed in prior application, status still proper and desired.
- ☐ Certified Copy of Priority Document(s) with Claim of Priority (if foreign priority is claimed).

**CONTINUING APPLICATION, check appropriate box and supply the requisite information:**

- ☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application Serial No. \_\_\_\_.
- ☐ Amend the specification by inserting before the first line the following sentence: --This application is a continuation, ☐ divisional or ☐ continuation-in-part of application Serial No. \_\_, filed \_\_.--

0991372-11301

**CORRESPONDENCE ADDRESS:**

Please address all future correspondence to:  
Ronald Coslick at the Foley & Lardner address noted above.  
Telephone: (310) 277-2223  
Fax Number: (310) 557-8475

**FEE CALCULATIONS:** (Small entity fees indicated in parentheses.)

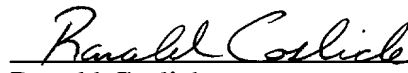
(1) For	(2) Number Filed	(3) Number Extra	(4) Rate	(5) Basic Fee \$740. (\$370.)
Total Claims	13 - 20 =		X \$18 (x \$9)	370
Independent Claims	4 - 3 =		X \$84 (x \$42)	42
Multiple Dependent Claims: 0			\$280 (\$140)	0.
Assignment Recording Fee per property			\$40	0.
Surcharge Under 37 C.F.R. 1.16(e)			\$130 (\$65)	0.
			TOTAL FEE:	412

**METHOD OF PAYMENT:**

Applicants claim small entity status pursuant to 37 C.F.R. § 1.27. It is requested that the Patent and Trademark Office advise the undersigned of the period of time within which to file the total fee.

Respectfully submitted,

November 13, 2001  
Date

  
Ronald Coslick  
Reg. No. 36,489

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Attorney Docket No. 042159.0201

Victor Demjanenko, Frederic J. Hirzel, Juan Alberto Torres

Group Art Unit: Unassigned

Serial No.: Unassigned

Examiner: Unassigned

Filed: Concurrently herewith

For: SYSTEM AND METHOD USING MULTI-DIMENSIONAL CONSTELLATIONS WITH LOW  
RECEIVER SOFT-DECISION EXTRACTION REQUIREMENTS

**CERTIFICATE OF MAILING BY U.S. EXPRESS MAIL**

Commissioner for Patents  
Box Patent Application  
Washington, D.C. 20231

I hereby certify that the following paper(s) and/or fee along with any attachments referred to or identified as being attached or enclosed are being deposited with the United States Postal Service as Express Mail (**U.S. Express Mail Label No. EL857557892US**) under 37 C.F.R. § 1.10 on the date of deposit shown below with sufficient postage and in an envelope addressed to: Commissioner for Patents, Box Patent Application, Washington D.C. 20231.

1. Utility Application Transmittal Under 37 C.F.R. 1.53(b)
2. Specification, Claims, and Abstract: 23 pages
3. Formal Drawings: 31 sheets
4. Declaration and Power of Attorney (unsigned)
5. Return Receipt Postcard

Respectfully submitted,

November 13, 2001

Date

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